

Claim 5. The process of great acceleration of particles in accelerators with help of increasing of velocities of propagation of electric and magnetic fields according to Claim 4 is characterized in that one increases the concentrations of neutrinos and/or antineutrinos in electric and magnetic (directing) fields of the accelerators with help of beams of neutral particles.

Claim 6. The device to have the beams of neutrinos and/or antineutrinos according to (preferably saturated) of electrons and positrons in the same direction for their meetings in obtaining, as result, the beams of neutrinos and antineutrinos directly forward (and behind).

Claim 7. The new accelerators of Claim 4 (synchrotrons primary) are characterized in that they produce also the coherent and polarized radiation (of synchrotron primary) with (also) waves shorter than  $\gamma$ -waves ( $<1.8 \times 10^{21}$  Hz), never observed and created.

Claim 8. Utilization of electro-magnetic waves of ultra-great frequencies of Claim 7, characterized in that they help to produce electric current by new universal means (serving also for all waves, naturally) with the same frequency with help of condensator (in simple electric circuit) having (between its disks) the insulator with the slit (or several periodic ones) of size of half of length of wave (that is coherent and polarized in direction perpendicular to condensator disks), that guarantee the electric current (strong also), variable and of the same frequency, that can produce directly (in turn) the electro-magnetic waves (like in classical transmitter of radio waves).

### Abstract.

Ultra-rapid movement of Physics propagates too rapidly and surely after end of Einstein-Bohr one (WO 99156288; WO 00/52989; PCT Gazette 04/2001. Search Report) by established great rocks of experimental Science (although separated and contradictory). It is proven that contrary to 2nd Law of Thermodynamics, all radiation of all electromagnetic spectrum does not leave the Universe and collects since its "Creation" ("Our" Big Bang), that takes place due to multiple complete reflections from its borders, behind which there is no neutrinos, propagating the light, that (neutrino's elevated concentration) resolves also the "gravitational lenses" near the colossal masses. Because of the mass of Classical Universe much more stronger than critic one (due to elevated masses of omnipresent neutrinos), there is the contraction of Universe (after obligatory end of its expansion) with gigantic concentration of all light, that provokes explosion. In "Our" Big Bang, the explosion provokes only brisure of heavier elements until hydrogen (and helium) in lighting (one sole time) the reaction of synthesis of stars wherein the proportion of original helium (and apparent age) were dependent on site of origin of mass of star. Black Holes (composed of neutrino), resting after such Big Bang, serve for creation of galaxies, after rapid currents of exploded and lighted luminous matter, making disk of Galactic plane with rotation like in Solar System. In case if the heavier elements will not remain (almost), in Universe, contraction of Universe must continue and different Big Bang will take place, that is much stronger with re-utilization already of neutros and neutrinos and antineutrinos to create electrons, positrons, protons and neutrons, that will take place in one of successive Big Bangs and that is, already, confirmed by, justly, presence of Universes with cosmic rays with titanic energy (that we do not have yet). These charged cosmic "rays" (like protons) pass too easily through charged Sun (and objects like Moon), confirming indisputably the madness of evidence of their speed, much greater than that of light without interaction with charges by fields. Radioactivity is direct knocking of extrarapid cosmic "rays" with nucleus. Practical consequences: creation of stable temperatures, changing of periods of radioactivity, process of electromagnetic interaction of particles with overlight speeds with substances, accelerators producing particles with ARCHI-speeds, waves with archi-frequencies (more quiet than of  $\gamma$  rays), electric currents with colossal frequencies, direct transformation (with maximal efficacy) of electric energy into that of light.

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